

CLAIMS

What is Claimed is:

1. A biometrically activated device, comprising:
5 an biometric sensor for obtaining internal physiological characteristics; and
a memory module in communication with said biometric sensor.

2. The biometrically activated device of claim 1, wherein said biometric sensor
further comprises:
10 an energy emitter; and
an energy sensor.

3. The biometrically activated device of claim 2 wherein said biometric sensor
further comprises an activation sensor.
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4. The biometrically activated device of claim 2 wherein said biometric sensor
further comprises an translator whereby signals received from said energy sensor are
translated into a biometric profile.

20 5. The biometrically activated device of claim 2 wherein said energy emitter
emits energy in the form of a light wave.

6. The biometrically activated device of claim 5 wherein said light wave is infra
red light, ultraviolet light, nonvisible light, or visible light.
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7. The biometrically activated device of claim 2 wherein said energy sensor
senses light waves.

8. The biometrically activated device of claim 7 wherein said light wave is infra red light, ultraviolet light, nonvisible light, or visible light.

9. The biometrically activated device of claim 1 wherein said memory module
5 stores at least one biometric profile.

10. The biometrically activated device of claim 1 wherein said memory module includes code to trigger an actuator.

10 11. A biometrically activated device, comprising:
an activation device;
an emitter in communication with said activation device whereby the activation device
prompts the emitter to emit energy;
a sensor for receiving reflected energy emitted by said emitter;
15 a translator in communication with said sensor for converting said received energy into an
electrical signal; and
a memory module in communication with said translator whereby said electrical signal is
passed to said memory module.

20 12. A biometric device, comprising:
a biometric sensor constructed to sense an internal physiological characteristic of a human;
and
a memory module operatively communicating with said sensor to store information
communicated by said sensor.

25 13. The device of claim 12 wherein said biometric sensor comprises:
an electromagnetic radiation emitter; and
an electromagnetic energy detector constructed to detect reflected electromagnetic radiation.

14. The device of claim 12 wherein said emitter emits electromagnetic radiation of a wavelength and energy level to contact an internal physiological characteristic of a human.

5 15. The biometric device of claim 12, further comprising a translator, said translator in communication with said biometric sensor and said memory module, said translator operating on a signal from said biometric sensor whereby a biometric profile is created and passed to said memory module.

10 16. The biometric device of claim 12, wherein said biometric sensor comprises:
an energy emission component for emitting energy from said biometric sensor;
an energy receiver configured to monitor energy directed towards said receiver; and
an activation device configured to activate said energy emission component and said energy
15 receiver.

17. A biometrically activated card, comprising:

a substantially planar card having a first surface and opposing second surface;

a biometric sensor integrally contained within said card, said biometric sensor having an energy emitter and an energy receiver, said energy emitter embedded within said first surface of said card, said energy receiver embedded within said first surface and positioned next to said energy emitter;

an activation sensor embedded within said first surface of said card, said activation sensor in electronic communication with said biometric sensor whereby said activation sensor controls an on and an off condition of said biometric sensor;

a memory module embedded between said first surface and said second surface of said card, said memory module in communication with said biometric sensor and having capacity to store data; and

a data communicator embedded within said second surface of said card, said data communicator in communication with said memory module for communicating data to an external source.

18. The biometrically activated card of claim 17 further comprising a data screen embedded on said first surface of said card, said data screen in communication with said memory module.

19. A biometrically activated cellular phone, comprising:

a cellular phone having an activated state and an inactivated state controlled by an activation switch;

a biometric sensor embedded within said phone, said biometric sensor having an energy transmitter and an energy receiver positioned on a surface of said cellular phone;

a biometric memory module embedded within said cellular phone, said memory module in communication with said biometric sensor, said memory module in communication with said activation switch of said cellular phone.

20. A method of electromagnetically detecting and comparing a unique internal human biometric marker, comprising:
generating a detection signal capable of penetrating the epidermis and being reflected from
an internal human biometric marker to form a detectable reflected signal;
5 detecting said reflected signal;
translating said reflected signal into an electrical impulse characterized by said reflected
signal;
transmitting said electrical impulse to a memory module having pre-existing stored data;
comparing said electrical impulse with said pre-existing stored data.

10 21. A method of detecting internal biometric markers, comprising:
emitting an energy signal, said energy signal directed at a portion of a human body, at least
a portion of said energy signal reflecting off of said human body;
receiving at least a portion of said emitted energy signal reflected off of said human body;
15 comparing said received energy signal to a pre-existing energy signal.

22. The method of claim 21 wherein comparing said received energy signal
comprises:
transforming said received energy signal to a user biometric profile;
20 communicating said biometric profile with a memory device having at least one stored
biometric profile; and
comparing said user biometric profile with at least one of said stored biometric profile.

23. A method of activating an electrical device, comprising:
detecting an internal biometric marker of a human being;
creating a user biometric profile based on said internal biometric marker;
comparing said biometric profile to at least one stored biometric profile; and
5 activating an electrical device if said user biometric profile matches at least one stored
biometric profile.

24. A method for generating a coded signal comprising:
emitting an epidermal penetrating electromagnetic radiation beam directed to an individual;
10 reflecting said beam off internal physiological reflected matter to produce a detectable
signal;
detecting said reflected signal;
comparing a profile generating said reflected signal to a stored profile previously developed
from said individual; and
15 generating a coded signal upon a match occurring between said generated profile and said
stored profile.

25. A method for generating a coded signal comprising:
non-evasively detecting unique characteristics of an internal biometric marker of an
20 individual;
electronically producing a profile of said internal biometric marker;
comparing said produced profile with